

List of All Chemicals

P Adansonia digitata (Bombacaceae)

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

| Chemical | Plant Part | Low PPM | High PPM | StdDev | *Reference |
|---|---|---------|----------|--------|----------------------------|
| BETULINIC-ACID | Bark | -- | -- | | Jim Duke's personal files. |
| Activities (22) | | | | | |
| Anthelmintic | | | | | |
| AntiHIV EC50=2.0 ug/ml | Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095. | | | | |
| AntiHIV IC50=6.5 ug/ml | | | | | |
| AntiHIV 14.8 uM | | | | | |
| Antibacterial | | | | | |
| Anticancer | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |
| Anticarcinomic | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |
| Antiedemic | | | | | |
| Antiinflammatory | Recio, M., et al. 1994. Investigations on the Steroidal Anti-Inflammatory Activity of Triterpenoids from <i>Diospyros leucomelas</i> *. Planta Medica, 61: 9. | | | | |
| Antileukemic | | | | | |
| Antimalarial IC50=19-26 ug/ml | | | | | |
| Antimelanomic | New York Times, 3/28/95. | | | | |
| Antinociceptive | | | | | |
| Antiplasmodial IC50=19-26 ug/ml | | | | | |
| Antitumor | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |
| Antiviral 14.8 uM | | | | | |
| Apoptotic | | | | | |
| Cytotoxic 50-100 ppm | Biosyn. Prod. Cancer Chemotherapy (Petit et al) | | | | |
| Cytotoxic 16.4 uM | | | | | |
| Phospholipase-A2-Inhibitor | | | | | |
| Prostaglandin-Synthesis-Inhibitor 200 ug/ml | Dunstan, C. A., Liu, B., Welch, C. J., Perera, P., Bohlin, L. 1998. Alphitol, a Phenolic Substance from <i>Alphitonia zizyphoides</i> which Inhibits Prostaglandin Biosynthesis in vitro. Phytochemistry, 48(3): 495-497. | | | | |
| Prostaglandin-Synthesis-Inhibitor IC50=101 uM | Huang, C., Tunon, H., Bohlin, L. 1995. Anti-Inflammatory Compounds Isolated from <i>Menyanthes trifoliata</i> L. Yao Hsueh Pao, 30(8): 621-626. | | | | |
| PALMITIC-ACID | Seed | 40800.0 | 98940.0 | 1.34 | Wealth of India. |
| Activities (13) | | | | | |
| 5-Alpha-Reductase-Inhibitor | | | | | |
| Antialopellic | | | | | |
| Antiandrogenic | | | | | |
| Antifibrinolytic | Economic & Medicinal Plant Research, 1: 53. | | | | |
| Antioxidant IC40=60 | | | | | |
| FLavor FEMA 1 | Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry | | | | |
| Hemolytic | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. | | | | |
| Hypercholesterolemic | Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.) | | | | |
| Lubricant | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |
| Nematicide | Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp. | | | | |
| Pesticide | | | | | |
| Propecic | | | | | |
| Soap | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |